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Substitute for form 1449B/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/022,182
		Filing Date	December 14, 2001
		First Named Inventor	Bowman et al.
		Group Art Unit	1615
		Examiner Name	L. Di Nola Baron
		Attorney Docket Number	22956-74
Sheet	1	of	2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
BF		6,511,958	01/28/2003	Atkinson et al.	
		6,379,367	04/30/2002	Vibe-Hansen et al.	
		6,365,149	04/02/2002	Vyakarnam et al.	
		6,331,312	12/18/2001	Lee et al.	
		6,319,712	11/20/2001	Meenen et al.	
		6,291,240	09/18/2001	Mansbridge et al.	
		6,287,340	09/11/2001	Altman et al.	
		6,283,980	09/04/2001	Vibe-Hansen et al.	
		6,277,151	08/21/2001	Lee et al.	
		6,251,673	06/26/2001	Winkler	
		6,214,045	04/10/2001	Corbitt, Jr. et al.	
		6,200,606	03/13/2001	Peterson et al.	
		6,197,061	03/06/2001	Masuda et al.	
		6,187,053	02/13/2001	Minuth	
		6,183,737	02/06/2001	Zaleske et al.	
		6,143,293	11/07/2000	Weiss et al.	
		6,139,578	10/31/2000	Lee et al.	
		6,132,463	10/17/2000	Lee et al.	
		6,123,727	09/26/2000	Vacanti et al.	
		6,121,042	09/19/2000	Peterson et al.	
		6,120,514	09/19/2000	Vibe-Hansen et al.	
		6,110,209	08/29/2000	Stone	
		6,103,255	08/15/2000	Levene et al.	
		6,096,532	08/01/2000	Armstrong et al.	
		6,080,579	06/27/2000	Hanley, Jr. et al.	
		6,027,742	02/22/2000	Lee et al.	
		5,989,269	11/23/1999	Vibe-Hansen et al.	
		5,980,889	11/09/1999	Butler et al.	
		5,964,805	10/12/1999	Stone	
		5,914,121	06/22/1999	Robey et al.	
		5,904,716	05/18/1999	Gendler	
		5,902,741	05/11/1999	Purchio et al.	
		5,837,235	11/17/1998	Mueller et al.	
		5,759,190	06/02/1998	Vibe-Hansen et al.	
		5,736,372	04/07/1998	Vacanti et al.	
		5,709,854	01/20/1998	Griffith-Cima et al.	
		5,681,353	10/28/1997	Li et al.	
		5,577,517	11/26/1996	Bonutti	
		5,480,827	01/02/1996	Guillemin et al.	
		5,443,950	08/22/1995	Naughton et al.	
		5,326,357	07/05/1994	Kandel	
		5,053,050	10/01/1991	Itay	
		5,041,138	08/20/1991	Vacanti et al.	
		4,801,299	01/31/1989	Brendel et al.	
		4,609,551	09/02/1986	Caplan et al.	
		4,553,272	11/19/1985	Mears	
		4,520,821	06/04/1985	Schmidt et al.	
BF		US2002/0009806	01/24/2002	Hicks, Jr.	
		US2002/0009805	01/24/2002	Nevo et al.	



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BF	US2002/0099401	07/25/2002	Bonutti	
	US2002/0091406	07/11/2002	Bonutti	
	US2002/0091403	07/11/2002	Bonutti	
	US2002/0082631	06/27/2002	Bonutti	
	US2002/0029055	03/07/2002	Bonutti	
	US2001/0053839	12/20/2001	Noishiki et al.	
	US2001/0053353	12/20/2001	Griffith et al.	
	US2001/0039453	11/08/2001	Gresser et al.	
BF	US2001/0016353	08/23/2001	Janas et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
BF		EP 1 167 517	01/02/2002	de Bruijn		
		WO 98/48860	11/05/1998	Jahoda et al.		
		WO 97/46665	12/11/1997	Rieser et al.		
		WO 97/30662	08/28/1997	Naughton et al.		
BF		WO 95/33821	12/14/1995	Purchio et al.		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
BF		Albrecht, et al. "Closure of Osteochondral Lesions Using Chondral Fragments and Fibrin Adhesives" Arch. Orthop. Trauma Surg. (1983) 101: 213-217.	
		Stone, K. et al. "Meniscal Regeneration With Copolymeric Collagen Scaffolds" American Journal of Sports Medicine, 20(2):104-111 (1992).	
		Murray, M., et al. "The Migration of Cells from the Ruptured Human Anterior Cruciate Ligament into Collagen-Glycosaminoglycan Regeneration Templated in Vitro" Biomaterials 22:2393-2402 (2001).	
		*(Abstract Only) Caterson EJ., et al. "Three-Dimensional Cartilage Formation by Bone Marrow-Derived Cells Seeded in Poly(lactide/Alginate Amalgam)" J Biomed Mater Res, 57(3):394-403 (2001).	
		*(Abstract Only) Grigolo, B., et al. "Transplantation of Chondrocytes Seeded on a Hyaluronan Derivative (hyaff-11) into Cartilage Defects in Rabbits" Biomaterials 22(17):2417-2424 (2001).	
		*(Abstract Only) van Susante JLC, et al. "Linkage of Chondroitin-sulfate to Type I Collagen Scaffolds Stimulates the Bioactivity of Seeded Chondrocytes in Vitro", Biomaterials, 22(17):2359-2369 (2001).	
		*(Abstract Only) Hutmacher DW., "Scaffold Design and Fabrication Technologies for Engineering Tissues-State of the Art and future Perspectives", J Biomater Sci Polym Ed, 12(1):107-124 (2001).	
		*(Abstract Only) Hutmacher DW., "Scaffolds in Tissue Engineering Bone and Cartilage", Biomaterials, 21(24):2529-2543 (2000).	
		*(Abstract Only) Schreiber RE., et al. "A Method for Tissue Engineering of Cartilage by Cell Seeding on Bioresorbable Scaffolds" Ann NY Acad Sci, 875:394-404 (1999).	
BF		*(Abstract Only) Radice, M. "Hyaluronan-Based Biopolymers as delivery vehicles for Bone-Marrow-Derived Mesenchymal Progenitors", J Biomed Mater Res, 50(2):101-9 (2000).	

Examiner Signature	Blessing Eubank	Date Considered	11-22-04
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